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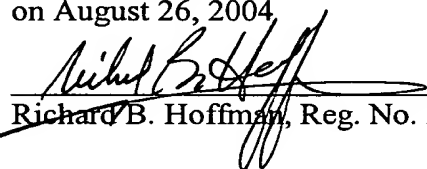
Attorney Docket No. 30071/37749  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTEE: Klaus Klenk )  
)  
PATENT NO.: 6,770,680 02 )  
)  
ISSUE DATE: August 3, 2004 )  
)  
INTERNATIONAL FILING )  
DATE: January 18, 2001 )  
)  
→ APPLICATION NO.: 09/937,388 )  
)  
FILING DATE: December 20, 2001 )  
)  
FOR: METHOD FOR RECYCLING )  
PET COMPONENTS & DEVICE FOR )  
CARRYING OUT SAID METHOD )  
)  
)  
ART UNIT: 1711 )  
)  
)  
EXAMINER: Acquah )

Certificate of Mailing

I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Attn: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 26, 2004

  
Richard B. Hoffman, Reg. No. 26,910

Certificate  
SEP 01 2004  
of Correction

REQUEST FOR CERTIFICATE OF CORRECTION  
OF APPLICANT'S MISTAKE, UNDER 37 C.F.R. 1.323

ATTN: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 35 U.S.C. 255 and 37 C.F.R. 1.323, issuance of the accompanying proposed Certificate of Correction is respectfully requested. The Certificate corrects the specification to contain a reference to International Application No. PCT/EP01/00526, having an international filing date of January 18, 2001 and to indicate the disclosure (which issued as U.S. Patent No. 6,770,680) is the United States national stage of that international application. It is noted that 37 C.F.R. 1.78(a) provides that the specification must contain, or be amended to contain, such a reference. It is respectfully submitted that a petition under 37 C.F.R. 1.78(a)(6) and surcharge under 37 C.F.R. 1.17(t) are not required, inasmuch as the

information concerning the claim of benefit of the filing date of the international application was recognized by the Patent and Trademark Office, as shown by its inclusion on the Filing Receipt mailed on March 28, 2002 (MPEP 201.11(III)(D)). The Patent and Trademark Office's recognition of the claim of benefit of the filing date of the international application is further evidenced by the Notice of Acceptance of Application Under 35 U.S.C. 371 and 37 C.F.R. 1.494 or 1.495, mailed March 28, 2002, as well as the cover sheets of Patent Application Publication No. US 2003/0010360A1, and issued U.S. Patent No. 6,770,680, which both include specific references to "PCT Filed: January 18, 2001", "PCT No. PCT/EP01/00526".

Because the application has already issued as a patent, the present Request for Certificate of Correction is respectfully submitted to be an appropriate manner of correcting the specification to include the specific benefit claim (MPEP 101.11 III.F.).

All of the requirements set forth in 37 C.F.R. 1.78(a)(1) have been met, inasmuch as the prior-filed international application designated the United States of America, named Klaus Klenk as the inventor (who is also the named inventor in the application which issued as U.S. Patent No. 6,770,680), and was entitled to an international filing date of January 18, 2001, in accordance with PCT Article 11.

It is clear from the record of the patent and the parent application that priority is appropriate. For example, as noted above, the Patent and Trademark Office recognized the claim of benefit of the filing date of the international application, as evidenced by the Filing Receipt and Notice of Acceptance of Application Under 35 U.S.C. 371 and 37 C.F.R. 1.494 or 1.495, both mailed March 28, 2002, and the cover sheets of Patent Application Publication No. US 2003/0010360A1 and issued U.S. Patent No. 6,770,680. Furthermore, the Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (form PCTUS1/REV03), filed by Express Mail on September 24, 2001, included a check in the box next to "This is an express request to begin national examination procedures (35 U.S.C. 371(f))." That Transmittal Letter also identified the application number and international filing date. The international application was filed within twelve months of the January 24, 2000 priority date, and the application which resulted in U.S. Patent No. 6,770,680 was timely filed on September 24, 2001 in the United States Patent and Trademark Office, i.e. within thirty months of the priority date. On

November 15, 2001, Applicant submitted a Preliminary Amendment and Substitute Specification, which were accompanied by a second Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371, which also identified the international application number and international filing date. That second Transmittal Letter included a check in the box next to "This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371."

Submitted herewith as copies of documentation showing the designation of states is a copy of the cover sheet to International Application Publication No. WO 01/55250 A1, in which the U.S. is listed as one of the designated countries. It is also noted that the assignee, Kronos AG, is listed as Applicant "für alle Bestimmungsstaaten mit Aushchme von US" (or "for all designated states except the US"), and the inventor, Klaus Klenk, is listed as the Application "num für US" (or "for the US only"). It is respectfully submitted that the U.S. Patent and Trademark Office may take Official Notice that such practice is standard only for applications designating the United States of America, as no other PCT signatory countries require the inventor, as opposed to a corporate entity, to be named as the Applicant. In further support of the present Request, copies of the following documents are submitted herewith to show that it is clear from the record that 35 USC 120 priority is appropriate:

- (i) Transmittal Letter submitted September 24, 2001;
- (ii) Second Transmittal Letter submitted November 21, 2001;
- (iii) Filing Receipt mailed March 28, 2002;
- (iv) Notice of Acceptance of Application Under 35 U.S.C. 371 and 37 C.F.R. 1.494 or 1.495, mailed March 28, 2002;
- (v) Cover Sheet of Patent Application Publication No. US 2003/0010360A1; and
- (vi) Cover Sheet of U.S. Patent No. 6,770,680.

A fee in the amount of \$100.00 as set forth in 37 C.F.R. 1.20(a) is also submitted for the requested Certificate of Correction of Applicant's Mistake under 37 C.F.R. 1.323. The

Commissioner is hereby authorized to charge any fee deficiency, or to credit any overpayments, to Deposit Account No. 13-2855 of the undersigned's firm under Order No. 30071/37749.

Dated: August 26, 2004

Respectfully submitted,



---

Richard B. Hoffman, Reg. No. 26,910  
Reg. No. 39,250  
MARSHALL, GERSTEIN & BORUN LLP  
233 S. Wacker Drive, 6300 Sears Tower  
Chicago, Illinois 60606-6357  
Telephone: (312) 474-6300  
Facsimile: (312) 474-0448

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.  
(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,770,680 *B2*  
ISSUED : August 3, 2004  
INVENTOR : Klaus Klenk

**In the Specification:**

**In Column 1, on a new line immediately following the title, insert:**

**"This disclosure is entitled to the benefit of the filing date of International  
Application No. PCT/EP01/00526, which designated the United States of  
America, having an international filing date of January 18, 2001, and this  
disclosure is the United States national stage of that international application."**

MAILING ADDRESS OF SENDER:

PATENT NO.: 6,770,680 *B2*

Richard B. Hoffman  
Marshall, Gerstein & Borun, LLP  
6300 Sears Tower  
233 S. Wacker Drive  
Chicago, IL 60606-6357

SEP 02 2004

No. of additional copies: 0

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

30071/37749

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

09/937,388

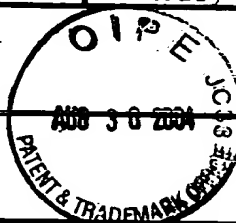
INTERNATIONAL APPLICATION NO.  
PCT/EP01/00526INTERNATIONAL FILING DATE  
January 18, 2001PRIORITY DATE CLAIMED  
January 24, 2000

## TITLE OF INVENTION

A PROCESS FOR THE RECYCLING OF PET CONSTITUENTS  
AND AN APPARATUS FOR CARRYING OUT THE PROCESS

APPLICANT(S) FOR DO/EO/US

Klaus Klenk



Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 20 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☒ Certificate of Mailing by Express Mail
23. ☒ Other items or information: Substitute Specification

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 09/937,388	INTERNATIONAL APPLICATION NO. PCT/EP01/00526	ATTORNEY'S DOCKET NUMBER 30071/37749
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24. The following fees are submitted:

**BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5) ) :**

- ☐ Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... **\$1040.00**
- ☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... **\$890.00**
- ☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... **\$740.00**
- ☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... **\$710.00**
- ☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... **\$100.00**

**ENTER APPROPRIATE BASIC FEE AMOUNT =**

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	- 20 =	19 extra new claims	x \$18.00	\$342.00 x \$0.00
Independent claims	2 - 3 =	0	x \$84.00	\$0.00
Multiple Dependent Claims (check if applicable).				<input type="checkbox"/> \$0.00

**TOTAL OF ABOVE CALCULATIONS =**

- ☐ Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2.

**SUBTOTAL =** \$342.00 ~~\$0.00~~

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).

**TOTAL NATIONAL FEE =**

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).

**TOTAL FEES ENCLOSED =** \$342.00 ~~\$0.00~~

Amount to be: refunded	\$
charged	\$

- a. ☒ A check in the amount of \$342.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-2855 A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Richard B. Hoffman  
Marshall, Gerstein & Borun  
6300 Sears Tower  
233 South Wacker Drive  
Chicago, Illinois 60606-6357  
Telephone: 312/474-6300  
Telecopy: 312/474-0448

  
SIGNATURE

Richard B. Hoffman

NAME

26,910

REGISTRATION NUMBER

DATE

Nov. 15, 2001

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

30071/37749

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

09/937,388

INTERNATIONAL APPLICATION NO.  
PCT/EP01/00526

INTERNATIONAL FILING DATE  
January 18, 2001

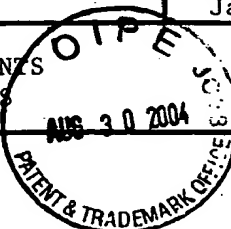
PRIORITY DATE CLAIMED  
January 24, 2000

**TITLE OF INVENTION**

A PROCESS FOR THE RECYCLING OF PET CONSTITUENTS  
AND AN APPARATUS FOR CARRYING OUT THE PROCESS

**APPLICANT(S) FOR DO/EO/US**

Klaus Klenk



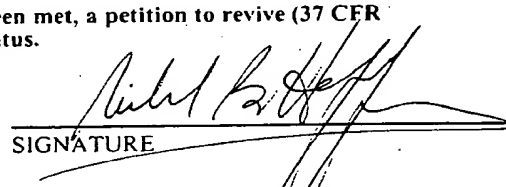
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  - b. ☐ has been communicated by the International Bureau.
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18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
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22. ☐ Certificate of Mailing by Express Mail
23. ☐ Other items or information:



U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 09/937, 388)		INTERNATIONAL APPLICATION NO. PCT/EP01/00526		ATTORNEY'S DOCKET NUMBER 30071/37749	
24. The following fees are submitted: BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5) ) : <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1040.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$890.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$740.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$710.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT = \$0.00				CALCULATIONS PTO USE ONLY	
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)). <input checked="" type="checkbox"/> 20 <input type="checkbox"/> 30				\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	- 20 =	0	x \$18.00	\$0.00	
Independent claims	- 3 =	0	x \$84.00	\$0.00	
Multiple Dependent Claims (check if applicable).			<input type="checkbox"/>	\$0.00	
TOTAL OF ABOVE CALCULATIONS =				\$130.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2.				\$0.00	
SUBTOTAL =				\$130.00	
Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)). <input type="checkbox"/> 20 <input type="checkbox"/> 30				+\$0.00	
TOTAL NATIONAL FEE =				\$130.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).			<input type="checkbox"/>	\$0.00	
TOTAL FEES ENCLOSED =				\$0.00	
				Amount to be refunded	\$
				charged	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$130.00 to cover the above fees is enclosed.					
b. <input type="checkbox"/> Please charge my Deposit Account No. in the amount of to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-2855 A duplicate copy of this sheet is enclosed.					
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
Richard B. Hoffman Marshall, Gerstein & Borun 6300 Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6357 Telephone: 312/474-6300 Telecopy: 312/474-0448			SIGNATURE  Richard B. Hoffman NAME 26,910 REGISTRATION NUMBER Dec. 20, 2001 DATE		

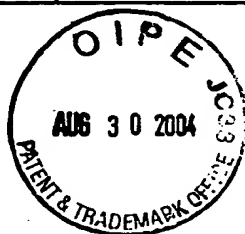


UNITED STATES PATENT AND TRADEMARK OFFICE

 Commissioner for Patents, Box PCT  
 United States Patent and Trademark Office  
 Washington, D.C. 20231  
 www.uspto.gov

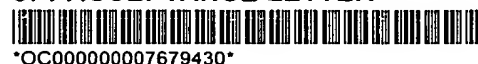
U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/937,388	Klaus Klenk	30071/37749

Marshall Gerstein & Borun  
 6300 Sears Tower  
 233 South Wacker Drive  
 Chicago, IL 60606-6402



INTERNATIONAL APPLICATION NO.	
PCT/EP01/00526	
I.A. FILING DATE	PRIORITY DATE
01/18/2001	01/24/2000

CONFIRMATION NO. 9412  
 371 ACCEPTANCE LETTER



Date Mailed: 03/28/2002

### NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.494 OR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated Office (37 CFR 1.494), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

12/20/2001  
 DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and  
 (c)(4) REQUIREMENTS

12/20/2001  
 DATE OF RECEIPT OF ALL 35 U.S.C.  
 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** *The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363).* Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- U.S. Basic National Fee
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- English Translation of the IA
- Information Disclosure Statements
- Oath or Declaration
- Preliminary Amendments
- Request for Immediate Examination



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/937,388	12/20/2001	1713	1512	30071/37749	3	49	2

Marshall Gerstein & Borun  
6300 Sears Tower  
233 South Wacker Drive  
Chicago, IL 60606-6402



RECEIVED

## FILING RECEIPT



\*OC000000007679429\*

MARSHALL GERSTEIN

CONFIRMATION NO. 9412

Date Mailed: 03/28/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Klaus Klenk, Flensburg, GERMANY;

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/EP01/00526 01/18/2001

## Foreign Applications

GERMANY 100 02 682.6 01/24/2000

Projected Publication Date: To Be Determined - pending completion of Security Review

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## Title

Method for recycling pet components and device for carrying out said method

## Preliminary Class

521

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(54) **METHOD FOR RECYCLING PET COMPONENTS AND DEVICE FOR CARRYING OUT SAID METHOD**

(75) **Inventor:** **Klaus Klenk, Flensburg (DE)**

(73) **Assignee:** **Krones AG, Neutraubing (DE)**

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 169 days.

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(58) **Field of Search** ..... **521/48, 48.5; 528/488, 528/489, 499; 425/110**

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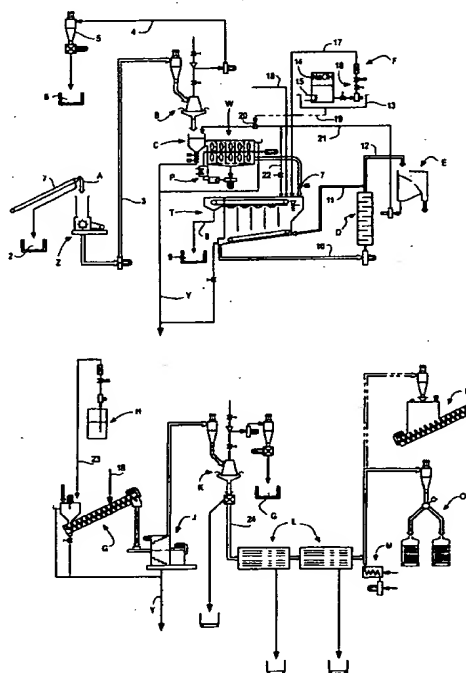
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(57) **ABSTRACT**

A process for the recycling of PET flakes from comminuted PET bottles, wherein the flakes are subjected to a washing treatment, are treated for at least 20 minutes in at least one washer at an elevated temperature higher than 70° C. with a cleaning solution which contains caustic soda, and at the same time are also mechanically and hydraulically treated.

**41 Claims, 3 Drawing Sheets**





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(54) METHOD FOR RECYCLING PET  
COMPONENTS AND DEVICE FOR  
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(57) ABSTRACT

In a process for the recycling of PET flakes from comminuted PET bottles, wherein the flakes are subjected to a washing treatment, the flakes are treated for at least 20 minutes in at least one washer at an elevated temperature higher than 70° C., with a cleaning solution which contains caustic soda, and at the same time are also mechanically and hydraulically treated.

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